to require a Diſcharge. It is for the ſake of thoſe Gentlemen that I have taken upon me to deſcribe it, who poſſibly may not have the above-mention'd Authors in their Hands; the only Ones that have obſerv'd it with any tolerable Accuracy.

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## IV. *An Account of Two Obſervations in Gardening, upon the change of Colour in Grapes and Jeſſamine. In a Letter from Mr.* Henry Cane.

Hillingdon *near* Uxbridge,
*Oct.* 31. 1720.

BEING a little curious in the Collection of all my ſorts of Fruits, amongſt other ſorts, I have three or four of white Muſcadine Grapes, very diſtinguiſhable by their Taſtes, one of which pleaſed me above the reſt; a Cutting of which about ſix Years ſince I planted againſt a Wall, on an Eaſtern Aſpect, where it has the Sun from its riſe till half an hour after Twelve. The Soil is a ſtiff Clay, but to make it work the better, I meliorated that, by mixing ſome Rubbiſh of the Foundation of an old Brickwall, where it now grows. In *January* laſt was twelve Month I pruned it, and the Figure was thus,

Left Hand T Right Hand *Black*

At time of Year it ſhot at both Hands about twenty two Inches of a ſide, before it came to a Joint; that on the Right was a very luxurious exuberant Branch, as big as the body of the Tree, the other ſide not half ſo thick or big, and the Leaves on the right were as big again as the other

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on the Left-hand, and I fancy the largeſt that were ever ſeen. The Right-hand bears a very large and good black Grape, and large Bunches; the Left-hand very good white Grapes, and I had laſt Year more Bunches of the White than of the Black; and whereas in all Vines bearing black and blue Grapes the Leaves die red, theſe died white on the black ſide as well as t'other. Laſt *January* I pruned the Tree again, but tack'd up more of the Right-hand (being Black) than I did on the Left, for which reaſon I had this Year a great many more of the Black than I had of the White, and they ripen'd for the Seaſon of the Year very well; divers Gentlemen of the Country both ſaw them laſt Year and this Year, and taſted of them. I gather'd the laſt about eight Days ſince, and the Leaves die White this Year alſo, being the ſecond Year that ever it bore. I think to prune it pretty cloſe on both ſides this Year, and to plant out divers Cuttings of both ſorts of it.

I will mention one thing more to you, which I have experienced about 28 Years ſince; I do it becauſe Mr. *Lawrence* in his firſt Tract of Gardening, makes mention of the Plant, but I take mine to be a much different Caſe from his; I mean the yellow and green ſtrip'd *Jeſſamine*. In the Month of *April*, *An.* 1692, having a ſmall Plant of our common white Jeſſamine, which ſtood in the Ground, and was no bigger than a Tobacco-Pipe, I cut it off at two Joints above the Ground, and grafted it with a Cutting of the Yellow-ſtrip'd; it took and ſhot a ſmall weak Shoot, and in a Month or five Weeks after, it was blighted, and I perceived it had killed the Graft, and ſome part of the Stock below, ſo I took my Knife and cut it to the quick, which was near the next Knot or Joint to the Ground, and let it ſtand, thinking to graft it again at Spring, as before, but forgot it till the Seaſon was paſt. At length going that way

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by it, I ſaw it had broke out at the next Joint with ſeveral Shoots of they ellow and green ſtrip'd; and not only there, but it had alſo made a ſtrong Shoot from the Root, of yellow and green ſtrip'd; after a while I took it up with Mold to the Root, and put it in a Pot, and it flouriſh'd all the Summer: And going to ſee my Son at *Magdalen College, Oxon,* I took it with me, and made a Preſent of it to the Preſident of the College, where it flouriſh'd two or three Years, and then for want of ſhifting the Pot in time, it was matted ſo to the bottom and ſides of the Pot, that it killed it; I alſo at that time gave the Fellows of that College, and ſeveral others of my Acquaintance an account of the Circulation and Deſcent of the Sap in that Plant, and I have try'd ſeveral other ſorts of variegated Plants, but do not find any of them to tranſmute, as that Jeſſamine will do.

*I am,* &c.

H. Cane.

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## V. *An Account of ſome new Electrical Experiments. By Mr.* Stephen Gray.

HAVING often obſerved in the Electrical Experiments made with a Glaſs Tube, and a Down Feather tied to the end of a ſmall Stick, that after its Fibres had been drawn towards the Tube, when that has been withdrawn, moſt of them would be drawn to the Stick, as if it had been an Electrick Body, or as if there had been